

## Key Learning of Levers:

**A lever is a simple machine that people use to gain an advantage, such as making work easier.**

## Unit Essential Question:

How can a lever be used to provide an advantage when doing work?

## Instructional Tools:

FOSS lever system, ,  
graphs, Levers and  
Pulleys books, hammer,  
screwdriver, crowbar,  
board , fulcrum ,bottle  
opener, scissors, broom,  
nut cracker, tweezers,  
spring scale, video

### Concept:

Basic lever systems  
and their parts

### Lesson EQ:

How can a lever make  
work easier?

### Lesson EQ:

What happens to the effort  
needed to lift a load as the  
position where the effort is  
applied changes?

### Lesson EQ:

What happens to the effort  
needed to lift a load as the  
position of the load changes?

### Vocabulary:

lever, lever arm,  
fulcrum, load, effort,  
Newtons, advantage,  
spring scale, force

### Concept:

Classes of Levers

### Lesson EQ:

How can you arrange the  
fulcrum, load, and effort  
in a lever system?

### Lesson EQ:

How can symbols be used to  
diagram the different classes  
of levers ?

### Lesson EQ:

How are real world levers  
identified as a class - 1,  
class - 2, or class - 3 lever?

### Vocabulary:

class- 1 lever,  
class- 2 lever,  
class- 3 lever,  
FLE 1-2-3, diagram

### Concept:

### Lesson EQ:

### Lesson EQ:

### Lesson EQ:

### Vocabulary: